

CLAIMS

- Sub A 17
1. A system for creating an extensible application Web framework comprising:
 - a server object adapted to store information relevant to a Web application;
 - a request object adapted to be called by the server object for receiving requests;
 - at least one or more handler objects, each having a response method for performing actions based the request information; and
 - a properties object containing information which may be used by the at least one or more handlers, the server object, and the request object.
 2. The system of claim 1, wherein the server object is adapted to call an initialization method of the handler object associated with a handler name.
 3. The system of claim 2, wherein the handler object is adapted to instantiate additional handler objects.
 4. The system of claim 2, wherein the request object is adapted to obtain and parse server requests.
 5. The system of claim 4, wherein the request object contains information related to a server request.
 6. The system of claim 5, wherein the handler object is adapted to alter the properties object.
 7. A method of operating a Web application comprising:
 - creating a server object with a properties object;
 - creating a handler object;
 - receiving an indication of a request;
 - upon receiving the indication, creating a request object;
 - calling methods of the request object to obtain the request at a port; and
 - calling a response method of the handler object and passing it the request object.
 8. The method of claim 7, wherein the response method of the handler object calls a

respond method of a second handler.

9. A method of aggregating content from various sources comprising:

creating a server with specified properties;

waiting for a request for aggregated content;

creating a request object;

calling the request object to obtain the request; and

calling a handler object and passing to it the request object to respond to the
~~request~~

10. The method of claim 9, wherein the handler object calls additional objects in order to respond to the request until one of the additional object returns an indication of responding. A

11. The method of claim 10, wherein one or more of the additional handler objects calls additional handler.

12. The method of claim 10, wherein one or more of the additional handlers modifies a properties object used to coordinate information between handlers. A

13. The method of claim 12, wherein one or more of the additional handlers obtains content from one or more additional servers, and one or more of the additional handlers extracts relevant information from the content, and one or more of the additional handlers reformats the content according to a template.

14. A method of creating a creating an extensible application Web framework comprising:

providing at least one or more handler objects, each having a response method for performing actions based a request object; and

a properties object containing information which may be used by the at least one or more handlers.

15. The method of claim 14, wherein the at least one handler object is called on to respond to a request embodied in the request object.

16. The method of claim 15, wherein multiple ones of the one or more handlers are called on to respond to the request and some of the handlers exchange information via the properties object.

17. A computer program product, including a computer readable medium, the computer readable medium having a computer program stored thereon, the computer program having components for execution in a processor within a computer, the computer program product comprising:

a server object adapted to store information relevant to a Web application;

a request object adapted to be called by the server object for receiving requests;

at least one or more handler objects, each having a response method for performing actions on the request object; and

a properties object containing information which may be used by the at least one or more handlers, the server object, and the request object.

18. The computer program product of claim 18, wherein the handler objects are adapted to call other handler objects.

19. The computer program product of claim 19, wherein the the handler object are configured to modify the properties object and respond to requests based on the properties object.

20. A method of communicating with a device comprising:

receiving an HTTP request from a requester;

extracting request information from the HTTP request wherein the request information includes commands for interacting with the device;

calling a handler object with the request information;

invoking the commands on the device;

receiving device information from the device;

returning device information via HTTP to the requester.